

NEW Products

Chem-Set™

tesa®

LORD

Ask Us How™

LORD

Signlok 810
Low Read-Through
Acrylic Adhesive

with LORD Accelerator 20

- For aluminum composite (Dibond, Alucobond)
- No warping caused by other glues



\$32⁸⁶ 225ml

tesa®

7074
Black Acrylic
Foam Tape

- High-performance acrylic foam tape.
- Designed for demanding outdoor bonding applications especially in combination with the tesa Adhesion Promoters
- Sizes: 1/4 in (6mm), 3/8 in (9mm), 1/2 (12mm), 3/4 (19mm), 1 in (25mm)



Can be Powder-Coated

as low as
\$13⁵¹ per roll

Chem-Set™
KEEP-NUT
Anchoring System
CCH-KEEPNUT

**HOLDS
UP TO
560 LBS**



**REPLACES
GLUE-ON
FASTENERS!**

\$1⁶¹ ea

A revolutionary insert used in place of glue on fasteners. Each 1/4" long insert holds up to 560lbs and needs **NO GLUE!**

LORD

Signlok 403 & 406

- A two-component metal bonding adhesive
- New, convenient packaging



403 225ml
406 225ml

\$28⁵⁷ (12 per case)

CHANNEL LETTER ASSEMBLY KIT



HOW TO BUILD CHANNEL LETTERS

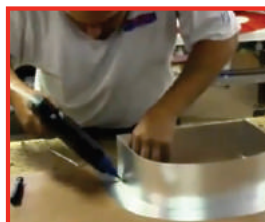
Step 1:

Cut and bend sheet metal into shape.



Step 2:

Use **HM612** Hot Melt to tack weld the sheet metal.



Step 3:

Use **LORD Maxlok** or **406/19** around the seams to permanently seal/adhere.



HM612

Hot Melt
Adhesive

- Use HM612 hotmelt as a clamp or tack down device to form letter.



1/2"x10"

\$10⁰⁵/lb.
5lb boxes
22lb case

CCH220

Hot Melt Gun

- 220 Watts of Power
- For use with 1/2" diameter sticks
- Complete with stand, on/off switch and adjustable thermostat



**GRABS
IN SECONDS
45-60 seconds**

\$100⁰⁰ each

LORD

**Two Part
Acrylic
Adhesives**

For bonding metals and plastics.

LORD 406/19, Signlok Series or Maxlok (T3, 6, 18)

- Little to no surface prep



406/19 \$17⁰⁵ 50 mil
406/19 \$42⁰⁴ 375 mil
Maxlok \$18⁴¹ 50 mil
Maxlok \$57⁴³ 375 mil

CCH50G 50ml

- Easily converts to 1:1, 2:1, 4:1, 10:1



535XSP 375ml

- 26:1 Thrust ratio
- Easily converts to 1:1, 2:1, 4:1 mix ratio



CCH50G \$32⁴⁷ each
535XSP \$62⁰⁰ each

See all available products at chemical-concepts.com

Adhesive Selection

Use the chart below to choose the proper adhesive for sign bonding applications. For more detailed information on these adhesives and surface preparation, call the LORD Customer Support Center.

	Trade Name ‡	Surface Preparation	Aluminum/Steel*	Prefinished Metal & Aluminum Composite Material (ACM)	Polycarbonate*	Acrylic*	Urethane Foam	PVC Foam Board	Ceramic/Stone	Wood
Aluminum/Steel*		Solvent wipe with isopropyl alcohol	Signlok 4xx Signlok 810 4xx/19 2xx	Signlok 4xx Signlok 810 4xx/19	Contact LORD	Contact LORD	7610DTM** 7542**	Signlok 4XX Signlok 810 4xx/19	320/322 †	7610DTM 320/322 †
Stainless Steel		Solvent wipe with isopropyl alcohol, mechanically abrade with 80-grit paper or grinder, wipe with IPA to remove sanding dust	Signlok 4xx Signlok 810 4xx/19 2xx	Signlok 4xx Signlok 810 4xx/19	Contact LORD	Contact LORD	7610DTM** 7542**	Signlok 4xx Signlok 810 4xx/19	320/322 †	7610DTM 320/322 †
Prefinished Metal & Aluminum Composite Material (ACM)	AlumaCorr™ NuAlum™ Poly-Metal™ Alumalite™ DiBond™ Econolite™ MAXX™ Alucobond® Anodized Alucobond®	Factory painted metal or ACM panels: solvent wipe Shop painted or other finishes: remove by sanding prior to bonding	Signlok 4xx Signlok 810 4xx/19	Signlok 4xx Signlok 810 4xx/19	Signlok 4xx 4xx/19 7542 7610DTM	7542 7610DTM*	7542 7650 7610DTM	Signlok 4xx Signlok 810 4xx/19 7542 7650 7610DTM	320/322 †	7542 7650 7610DTM
Polycarbonate*	Lexan® Tuffak®	Solvent wipe with isopropyl alcohol	Contact LORD	7542 7610DTM	Signlok 4xx 4xx/19 7542 7610DTM	7542 7610DTM	7542 7650 7610DTM	7542 7650 7610DTM	7610DTM*	7542 7650 7610DTM
Acrylic*	Acrylite® Acrysteel® IGP Duraplex® Optix®SG Implex® Plexiglas®G	Scuff with scuff pad or 120-grit paper, solvent wipe with isopropyl alcohol	Contact LORD	7542 7610DTM 7650	7542 7610DTM 7550°	7542 7610DTM	7542 7610DTM 7550°	7542 7650 7610DTM	7610DTM*	7542 7650 7610DTM
TrimCap	Jewelite® SignATrim™	Scuff with scuff pad or 120-grit paper, solvent wipe with isopropyl alcohol		7550° 7542	7550°	7550°	7542 7550° 7610DTM	7542 7650 7610DTM		7542 7550°
Urethane Foam	Precision Board Last-A-Foam® Sign Foam 3® Design Board® CORAFOAM®	Blow off surface with clean air or wipe with clean dry cloth	7650 7610DTM 7542	7542 7650 7610DTM	7542 7650 7610DTM	7542 7650 7610DTM	7542 7610DTM	7542 7650 7610DTM	7542 7610DTM	7542 7650 7610DTM
PVC Foam Board	Komatex® Sintra®	Scuff with scuff pad or 120-grit paper, solvent wipe with isopropyl alcohol	Signlok 4xx Signlok 810 4xx/19	Signlok 4xx Signlok 810 4xx/19 7542 7650 7610DTM	7542 7650 7610DTM	7452 7650 7610DTM	7542 7610DTM	Signlok 4xx 4xx/19 7542 7650 7610DTM	7542 7610DTM*	7542 7650 7610DTM
Paper/Foam Board	Foam-X® Recovery Foam-Cor®	Wipe with clean dry cloth	7542** 7610DTM 7650**	7542 7650	7542 7610DTM	7542	7542 7610DTM	7542 7610DTM	7542 7610DTM	77542 7610DTM
PETG Sheet	Spectar™ PETG	Solvent wipe with isopropyl alcohol	7542** Signlok 4xx Signlok 810 4xx/19	7542** Signlok 4xx Signlok 810 4xx/19	7542 7610DTM	7542	7542 7610DTM	7542 7610DTM	7542 7610DTM	7542 7610DTM
Polystyrene Foam Board	Gatorfoam® Gatorblanks® Gatorplast®	Wipe with clean dry cloth	Signlok 4xx (N/A) Gatorblanks® Signlok 810 (N/A) Gatorblanks® 4xx/19 (N/A) Gatorblanks® 7542** 7610DTM 7650**	Signlok 4xx Signlok 810 4xx/19 7542 7610DTM 7650	7542 7550°	7542 7610DTM 7650	7542 7610DTM 7650	7542 7610DTM	7542 7610DTM	7542 7610DTM
	Ultra	Solvent wipe with isopropyl alcohol								
Vinyl Laminate	White-Wood®	Wipe with clean dry cloth, scuff	Signlok 4xx Signlok 810 4xx/19 7542** 7610DTM 7650	Signlok 4xx Signlok 810 4xx/19 7542** 7610DTM 7650	7542 7650	7542	7542 7610DTM 7650	7542 7610DTM	7542 7610DTM	7542 7610DTM
	Maxx-Board®	Solvent wipe with isopropyl alcohol								
Wood		Wipe with clean dry cloth	320/322 †	7542 320/322 † 7650	7542 7650 7610DTM	7542 7650 7610DTM	7542 7610DTM	7542 7650 7610DTM	7542 7610DTM*	7542 320/322 7610DTM 7650
Ceramic/Stone		Porous: Wipe with clean dry cloth Non-porous (Smooth/polished): LORD AP-134 Adhesion Enhancer/ Surface Modifier required	320/322 †	320/322 †	7542 7610DTM*	7542 7610DTM*	7542 7610DTM*	7610DTM*	320/322	7542 7610DTM*
Cured Concrete		Wipe with clean dry cloth	7610DTM 320/322 †	320/322 † 360 7610DTM	7542 7610DTM	7542 7610DTM	N/A	N/A	320/322	7610DTM 320/322
Glass**		LORD AP-134 Adhesion Enhancer/Surface Modifier required	Signlok 4xx 4xx/19	Signlok 4xx 4xx/19 7542	N/A	7542 7610DTM	7610DTM	7610DTM	7542 7610DTM	7542 7610DTM

xx Represents numbers for the family of adhesive to be utilized. Contact LORD Customer Support Center, 877 ASK LORD (275 5673).

‡ All substrate Trade Names are trademarks or registered trademarks of the substrate supplier.

* Coefficient of thermal expansion is a major consideration when cross-bonding these substrates. Acrylic adhesives should not be used to attach large thermoplastic parts due to the differences in thermal expansion.

** Additional surface preparation recommended: Metals should be painted or primed. Glass, Ceramic and Stone should be primed with LORD AP-134 Adhesion Enhancer/Surface Modifier to promote adhesion, 120 minutes to hydrolyze.

† Prepare metal by scuffing/abrading followed by a solvent wipe.

° For non-structural bonding (assemblies where adhesive is used for aesthetic attachment in minimum stress areas).

METAL BONDING

LORD 400 Series

Two Part
Acrylic Adhesive
For bonding metals
and plastics.

Great for:

- Metal frame assembly
- Channel letter assembly
- Bonding studs
- Reinforcing butt joints



\$17⁰⁵ 50 ml
\$42⁰⁴ 375 ml
\$49²¹ 404 ml(cx)

LORD 7610DTM

Direct-to-Metal
Seam Sealer
& Adhesive

For bonding metals
and plastics.

- Moisture-cure adhesive and seam sealer
- Durable
- Convenient
- Chemically Resistant
- Temperature Resistant



\$12³⁵ each

LORD Signlok Series

For bonding
metals and
engineered
plastics.

- Conveniently packaged in (225 mL) cartridges
- Glass beads
- 2:1 Ratio



Signlok 403/406
\$28⁵⁷ 225 ml
Signlok 810
\$32⁸⁶ 225 ml

LORD Maxlok Series

Replaces
welding,
brazing,
riveting and
other mechanical
fastening methods.

- Glass beads
- Matte gray finish
- 4:1 ratio



Maxlok T3, T6, T18
\$18⁰⁵ 50 ml
\$56³⁰ 375 ml

PLASTIC BONDING

LORD 7550 A/C

Two Part
Urethane
Adhesive

Great for Trim Cap.

- HDU (Sign Foam)
- PVC
- Wood
- Fiberglass
- Painted Metal
- Polycarbonate
- UV resistant



\$24⁵⁶
50 ml

BONDS TRIM CAP

OPTICALLY CLEAR

LORD 7542A/B

Two Part
Urethane
Adhesive

For use when bonding
composites and
dissimilar substrates.

- HDU (Sign Foam)
- PVC • Wood
- Fiberglass
- Painted Metal
- Polycarbonate



\$15¹⁰ 50 ml
\$41⁷² 200 ml

LORD 7545A/E

Two Part
Urethane
Adhesive

For use when bonding
composites and
dissimilar substrates.

- HDU (Sign Foam)
- PVC • Wood
- Fiberglass
- Painted Metal
- Polycarbonate



\$22³⁸ 50 ml
\$54³¹ 200 ml

Chem-Set™ TrimGrip

Industrial Structural
Adhesive Bonding System



- Patented adhesive technology.
- No special equipment needed, use standard caulking gun.



CCA-TRIMGRIP
\$25⁰⁰ 250 ml
\$34⁰⁰ 400 ml
ADDITIONAL SIZES AVAILABLE

DISSIMILAR SUBSTRATE BONDING

LORD 310 A/B

Two Part
Epoxy Adhesive

The ideal anchoring
adhesive for stud mounting.

- Stone and porous substrates
- High and low temp resistance; -40°F to 400°F
- Concrete
- General Purpose
- Bare metal to HDU
- Bare metal to wood



\$14⁷⁹ 50 ml
\$46⁷² 300 ml

Chem-Set™

Two Part
Polyolefin
Bonder

- Bond untreated polyolefin surfaces
- No pre-treatment before bonding
- 1:1 mix ratio



(1-11) \$31⁶³ 50 ml
(12+) \$28⁷⁵ 50 ml

Chem-Set™

5 Minute
Epoxy Adhesive
Used For **Natural** Stone.

- High Viscosity
- Bonds to stone and wood
- Gap-filling to .250 inches
- Good solvent resistance
- 100% reactive, no solvents
- Non-drip



\$4⁵⁷ 25 ml
\$9⁴² 50 ml

Chem-Set™

Quick Set
Acrylic Adhesive
Used For **Engineered** Stone.

- High Viscosity
- Bonds to non-porous
- Solid Surface
- Engineered Stone
- Metals
- PVC
- Acrylics
- Non-drip



\$6⁸⁴ 25 ml
\$10³⁷ 200 ml

See all available products at chemical-concepts.com

Order online at www.chemical-concepts.com or call 1.800.220.1966

LED POTTING & ENCAPSULATING ADHESIVES

Chem-Set™

- Low Viscosity
- Self Leveling
- 40 Durometers

UL Approved



OPTICALLY CLEAR

\$16³² 50 ml
\$52⁸⁰ 300 ml

Chem-Set™

- Tough 45 Durometers
- Provides protection from vibration



OPTICALLY CLEAR

\$16³² 50 ml
\$52⁸⁰ 300 ml

Chem-Set™

- Flame retardant
- Designed for electronic potting applications
- Thermally conductive
- Readily repairable



BLACK

\$16³² 50 ml
\$52⁸⁰ 300 ml

Chem-Set™

- Designed for electronic potting applications
- Flame retardant
- Thermally conductive
- Readily repairable



WHITE

\$16³² 50 ml
\$52⁸⁰ 300 ml

ONE COMPONENT ADHESIVES & SILICONE

%100 SILICONE

Chem-Set™

General purpose one-component 100% RTV acetoxy silicone sealant.

Available Colors: TRANSLUCENT, WHITE, TRANS-WHITE, CAMEO, BLACK AND MORE



as low as
\$2⁶⁹ each

HYBRID SILICONE

Chem-Set™

MS35 White High Strength adhesive/sealant

Paintable

75AM Ultra Clear High Strength adhesive/sealant

- Hybrid Silicone
- 2-3x the strength
- Paintable
- Weather resistant



MS35

75AM

\$8⁵⁰ each @ 1-23 pieces
\$7⁶³ each @ 24-71 pieces
\$6⁸⁴ each @ 72-239 pieces

\$8⁹⁵ each @ 1-23 pieces
\$8¹¹ each @ 24-47 pieces
\$7³⁷ each @ 48-95 pieces

CONSTRUCTION ADHESIVE



Sikaflex 221

High strength polyurethane adhesive/sealant

- Non-sag, low odor
- Sandable and paintable

Available Colors: WHITE, GREY, BLACK, ALUMINUM



\$4⁹¹ each

ANCHORING ADHESIVE



AnchorFix-2

Used for rebar threaded rods and bolts

- Great for stud mounting in concrete and masonry base materials.



\$23²² each

BONDING FASTENERS

Chem-Set™



(38MM / 1.5")
ROUND

(38MM / 1.5")
ROUND

Available in plated steel and stainless steel

RANGE \$.40-.80

(plating meets European standards)
See website for all thread size and length.

Chem-Set™

(38MM / 1.5")
RECTANGLE
THREAD Size
LENGTH

1/4 UNC: .25", 5/16
UNF: 10/32"



(38MM / 1.5")
ROUND

Available in plated steel and stainless steel

RANGE \$.40-.80

(plating meets European standards)
See website for all thread size and length.

Chem-Set™

(23MM / 0.90")
ROUND
THREAD Size
LENGTH

1/4 UNC: .25", 5/16
UNF: 10/32"



(38MM / 1.5")
ROUND

Available in plated steel and stainless steel

RANGE \$.40-.80

(plating meets European standards)
See website for all thread size and length.

Chem-Set™

(38MMX15MM/ 1.5"X.59") RECTANGLE



F1-T38 (38MMX15MM/1.5"X.59") RECTANGLE



F1-T38 (38MMX15MM/1.5"X.59") RECTANGLE

Available in plated steel and stainless steel

RANGE \$.40-.80

(plating meets European standards)
See website for all thread size and length.

See all available products at chemical-concepts.com

DISPENSERS & MIXING TIPS

50 ML

CCH50G



- Easily converts to 1:1, 2:1, 4:1, 10:1 mix ratio

Recommended Mixer



TAH 190-620
Static Mixing Nozzle

\$32⁴⁷ each

225 ML

520 Gun



- 18:1 Thrust ratio
- Easily converts to 1:1, 2:1, 4:1 mix ratio

Recommended Mixer



MCQ 08-24T
Static Mixing Nozzle

\$47⁵⁰ each

200/400 ML

VR200XSP

- 26:1 Thrust ratio

VR400XSP

- 26:1 Thrust ratio

Recommended Mixer



TAH 160-824
Static Mixing Nozzle

200 \$74⁰⁰ each
400 \$78⁰⁰ each

375 ML

535XSP



- 26:1 Thrust ratio
- Easily converts to 1:1, 2:1, 4:1 mix ratio

Recommended Mixer



MCQ 08-24T
Static Mixing Nozzle

\$62⁰⁰ each

CX 404 ML

CCM380



- 18:1 Thrust ratio
- Easily converts to 1:1, 2:1, 4:1, 10:1 mix ratio

Recommended Mixer



TAH 160-824
Static Mixing Nozzle

\$70⁰⁰ each

ABRASIVES

Chem-Set™ 11" Orbital Sander with Drive Pad

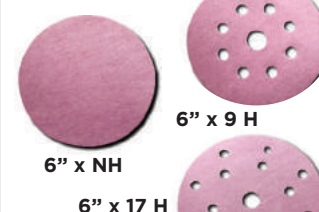
- Sands much larger area
- Polishes and finishes better than the human hand!
- Saves time and labor!



\$375⁰⁰ ea.



as low as:
\$35³⁸ Box (NH)
\$35³⁸ Box (5H)
\$35³⁸ Box (9H)



as low as:
\$38⁴⁶ Box (NH)
\$41⁵⁴ Box (9H)
\$41⁵⁴ Box (17H)

PSA and H&L



\$2⁸⁹ each

OTHER HOLE PATTERNS AVAILABLE

FOAM TAPES & GENERAL ASSEMBLY

Chem-Set™

1/16", 1/32" Thick

- Used for mounting and joining nameplates, signs, small die cast parts, mirrors, maps, etc

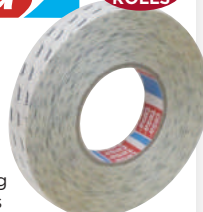


1/16"
\$11⁸⁶ ea. @ 3/4"
\$13⁸⁸ ea. @ 1"
\$22⁰⁸ ea. @ 2"

tesa®

61010
Interior
mounting

- Suitability for most mounting and bonding applications such with heavy stress, high temp or critical substrates.
- Immediate usability



8 mil
(.008")

\$ 937 ea. @ 1/4"
\$1929 ea. @ 1/2"
\$3200 ea. @ 3/4"
\$4018 ea. @ 1"

Chem-Set™

**Blue Painters
Tape**

- Ideal for painted walls, trim, glass, woodwork, metal and a wide variety of other applications
- Environmentally safe



\$162 ea. @ 3/4"
\$215 ea. @ 1"
\$322 ea. @ 1 1/2"
\$429 ea. @ 2"

tesa®

4970
Banner tape

- White PVC-film acrylic tape
- High Strength
- Durable
- High temp resistance:
392°F (20 min);
212°F (long term)



10 mil
(.01")

\$23.37 ea. @ 1"
\$38.25 ea. @ 1 1/2"
\$50.34 ea. @ 2"

See all available products at chemical-concepts.com

PANEL & LETTER MOUNTING TAPES

20 mil (.020")

tesa VHB TAPE

7054 ACXplus

11 YD ROLLS

For optically clear bonding.

- **Transparent** acrylic core tape
- Non-yellowing
- Unmatched environmental resistance
- High temperature resistance: 392°F (20 min); 212°F (long term)



\$6.68 ea. @ 1/4"
\$15.75 ea. @ 1/2"
\$23.15 ea. @ 3/4"
\$27.82 ea. @ 1"

40 mil (.040")

tesa VHB TAPE

7055 ACXplus

11 YD ROLLS

For optically clear bonding.

- **Transparent** acrylic core tape
- Non-yellowing
- Unmatched environmental resistance
- High temperature resistance: 392°F (20 min); 212°F (long term)



\$12.26 ea. @ 1/4"
\$16.69 ea. @ 1/2"
\$26.43 ea. @ 3/4"
\$34.77 ea. @ 1"

32 mil (.032")

tesa VHB TAPE

7063 ACXplus

11 YD ROLLS

For hard-to-bond substrates.

- **Black** tackified acrylic core tape
- Unmatched environmental resistance
- Superior performance on powder coated and lower energy surfaces



\$7.51 ea. @ 1/4"
\$15.47 ea. @ 1/2"
\$23.78 ea. @ 3/4"
\$31.29 ea. @ 1"

47 mil (.047")

tesa VHB TAPE

7065 ACXplus

11 YD ROLLS

For hard-to-bond substrates.

- **Black** tackified acrylic core tape
- Unmatched environmental resistance
- Superior performance on powder coated and lower energy surfaces



\$9.46 ea. @ 1/4"
\$18.35 ea. @ 1/2"
\$29.08 ea. @ 3/4"
\$38.25 ea. @ 1"

COMPARE TO 3M

3M-4905

10 mil (.010")

Chem-Set™

60 YD ROLLS

- Clear



\$28.46 ea. @ 1/2"
\$42.46 ea. @ 3/4"
\$56.93 ea. @ 1"

3M-4910

20 mil (.020")

Chem-Set™

36 YD ROLLS

- Clear



\$24.40 ea. @ 1/2"
\$32.72 ea. @ 3/4"
\$40.90 ea. @ 1"

3M-4936

40 mil (.040")

Chem-Set™

36 YD ROLLS

- Clear



\$33.93 ea. @ 1/2"
\$46.83 ea. @ 3/4"
\$58.50 ea. @ 1"

3M-4949

47 mil (.047")

Chem-Set™

36 YD ROLLS

- White or Grey



\$26.95 ea. @ 1/2"
\$37.67 ea. @ 3/4"
\$45.82 ea. @ 1"

MASKING TAPES

3.5 mil

tesa

4334 Precision Mask

Masking tape

- Yellow general purpose masking tape
- Razor sharp paint edges
- Easily removable up to 5 months after application



\$4.26 ea. @ 1"
\$8.53 ea. @ 2"

5.2 mil

tesa

53120 General Purpose

Masking tape

- Creped paper masking tape
- Adheres to a variety of surfaces
- Light-duty bundling
- Packaging and closing
- Light-duty masking



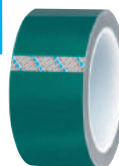
\$1.62 ea. @ 3/4"
\$2.15 ea. @ 1"
\$3.22 ea. @ 1 1/2"
\$4.29 ea. @ 2"

3 mil

tesa

50600 Powder-Coating Masking tape

- Green, masking tape for powder coating
- Features a polyester backing with a silicone adhesive
- One piece removal without leaving residue
- High temperature resistance: up to 220°C / 428°F (30min.)



\$9.38 ea. @ 1"
\$18.78 ea. @ 2"

order online:

chemical-concepts.com

or call:

1.800.220.1966

to speak with a sales representative

See all available products at **chemical-concepts.com**

Chemical Concepts
 410 Pike Road
 Huntingdon Valley, PA 19006

Made in USA

